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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/733,326	12/12/2003	Sladjana Petrovic	38898-0059	9081

23577	7590	01/26/2007

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EXAMINER
JOHNSON, CARLTON

ART UNIT	PAPER NUMBER
2136	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 December 2003*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-34* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-34* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *12 December 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   This action is responding to application papers filed **12-12-2003**.

2.   Claims **1 - 34** are pending.   Claims **1, 13, 23** are independent.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102(e) that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless -
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by
> another filed in the United States before the invention by the applicant for patent or (2) a patent
> granted on an application for patent by another filed in the United States before the invention by the
> applicant for patent, except that an international application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this subsection of an application filed in the United States
> only if the international application designated the United States and was published under Article 21(2)
> of such treaty in the English language.

4. Claims **1 - 6, 9 - 18, 21 - 28, 31 - 34** are rejected under 35 U.S.C. 102(e) as being

anticipated by **Williams et al.** (US PGPUB No. **20030005118**).

Regarding Claims 1, 23, Williams discloses a method, computer program product of

secure session management for a web farm, the web farm including a first server and a

second server, the second server having a requested web page, the method comprising

the steps of:

   a) receiving, at the first server, a request for the requested web page from a

      browser, said request including an encrypted session token; (see Williams

      paragraph [0019], lines 1-5: request processing; paragraph [0016], lines 1-4;:

session token; paragraph [0050], lines 10-16; paragraph [0051], lines 14-16:

encryption utilized for security)

b) decrypting said encrypted session token at the first server to obtain a session

token; (see Williams paragraph [0020], lines 8-11: validate (must decryption

required to process encrypted information) session information, process

encrypted session information)

c) redirecting said request to the second server, including transmitting said session

token to the second server; (see Williams paragraph [0067], lines 12-18:

redirection of session token and session information) and

d) verifying said session token. (see Williams paragraph [0020], lines 8-11;

paragraph [0074], lines 7-11: validate session token information, client and

session identification information)

Regarding Claims 2, 24, Williams discloses the method, computer program product

claimed in claims 1, 23, further including steps of creating a new session token,

encrypting said new session token at the second server to produce a new encrypted

session token, and transmitting a response to said browser from the second server,

wherein said response includes said new encrypted session token. (see Williams

paragraph [0016], lines 7-13; paragraph [0016], lines 4-7: generate new encrypted

session token and transfer)

Regarding Claims 3, 5, 15, 17, 25, 27, Williams discloses the method, system,

computer program product claimed in claims 2, 13, 14, 23, 24, wherein said session

token includes a session ID and a timestamp, and wherein said step of creating a new

session token includes generating a new session ID and updating said timestamp. (see

Williams paragraph [0062], lines 9-16; paragraph [0050], lines 1-5: session token,

session ID and timestamp)

Regarding Claims 4, 16, 26, Williams discloses the method, system, computer

program product claimed in claims 2, 14, 24, further including a step of updating a

common session database by replacing said session token with said new session token

in said common session database. (see Williams paragraph [0069], lines 9-15:

database for session token information storage)

Regarding Claims 6, 18, 28, Williams discloses the method, system, computer

program product claimed in claims 5, 17, 27, wherein a common session database

contains a stored session ID and a stored timestamp, and wherein said step of verifying

includes comparing said session ID and said timestamp with said stored session ID and

said stored timestamp. (see Williams paragraph [0069], lines 9-15: database for session

token information storage; paragraph [0062], lines 9-16; paragraph [0050], lines 1-5:

session token, session ID and timestamp; paragraph [0020], lines 8-11: verification

session information)

Regarding Claims 9, 21, 31, Williams discloses the method, system, computer

program product claimed in claims 1, 13, 23, wherein said step of transmitting includes incorporating said session token into a URL. (see Williams paragraph [0044], lines 8-12: URL processing techniques utilized)

Regarding Claims 10, 32, Williams discloses the method, computer program product claimed in claims 1, 23, wherein a session management web service performs said step of verifying, said session management web service being accessible to said first server and said second server, and wherein said step of verifying includes comparing said session token with stored session data. (see Williams paragraph [0020], lines 8-11: session information verification)

Regarding Claims 11, 33, Williams discloses the method, computer program product claimed in claims 10, 32, wherein the web farm further includes a common session database containing said stored session data. (see Williams paragraph [0013], lines 5-9; paragraph [0036], lines 3-4: web farms, set of interconnected web servers)

Regarding Claims 12, 22, 34, Williams discloses the method, system, computer program product claimed in claims 1, 13, 23, wherein said requested web page includes a web resource selected from the group including an applet, an HTML page, a Java server page, and an Active server page. (see Williams paragraph [0044], lines 3-8; paragraph [0042], lines 8-15: protected resource, a HTML web page)

Regarding Claim 13, Williams discloses a system for secure session management, the

system being coupled to a network and receiving a request for a requested web page

from a browser via the network, the request including an encrypted session token, the

system comprising:

a) a first server including a first request handler for receiving the request and

decrypting the encrypted session token to produce a session token; (see

Williams paragraph [0013], lines 5-9; paragraph [0050], lines 10-16: multiple

servers, encrypted; paragraph [0020], lines 8-11: validate (i.e. must decrypt in

order to process) session information)

b) a second server including the requested web page; (see Williams paragraph

[0013], lines 5-9: multiple servers; paragraph [0044], lines 3-8; paragraph [0042],

lines 8-15: resource requested, a HTML web page)

c) a common session database including stored session data; (see Williams

paragraph [0069], lines 9-15: database for session token information storage)

and

d) a session management web service, accessible to said first server and said

second server and including a validation component for comparing said session

token with said stored session data; (see Williams paragraph [0020], lines 8-11:

session verification information)

e) wherein said first request handler redirects the request to said second server and

transmits the session token to said second server. (see Williams paragraph

[0067], lines 12-18: redirection capabilities)

Regarding Claim 14, Williams discloses the system claimed in claim 13, wherein said

session management web service includes a token generator for creating a new

session token for said second server, and wherein said second server includes a

second request handler, said second request handler encrypting said new session

token to produce a new encrypted session token and transmitting a response to said

browser, wherein said response includes said new encrypted session token. (see

Williams paragraph [0016], lines 7-10; paragraph [0016], lines 4-7: new session token

generated and transferred; paragraph [0050], lines 10-16; paragraph [0051], lines 14-

16: encrypted session token information)

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

6.   Claims **7, 8, 19, 20, 29, 30** are rejected under 35 U.S.C. 103(a) as being

unpatentable over **Williams** in view of **Bachman et al.** (US Patent No. **5,907,621**).

Regarding Claims 7, 19, 29, Williams discloses the method, system, computer

program product claimed in claims 5, 17, 27. (see Williams paragraph [0050], lines 1-5 :

time parameter usage and processing)   Williams does not specifically disclose a time

out processing capability. However, Bachman discloses wherein including a step of

determining whether a session has timed out, said step of determining including

determining an elapsed time between said timestamp and a current server time, and

comparing said elapsed time with a predetermined maximum time to determine whether

said session has timed out. (see Bachman col. 1, lines 65-67: session management;

col. 4, lines 11-17; col. 6, lines 10-19: process time out condition)

It would have been obvious to one of ordinary skill in the art to modify Williams as

taught by Bachman to enable the capability to process a time period expiration

condition.   One of ordinary skill in the art would have been motivated to employ the

teachings of Bachman in order to enable the capability to create a secure

communications session between server and client systems and avoid distracting the

client with the placement of token information within the page.   (see Bachman col. 1,

lines 65-67: " ... *An advantage of the present invention is that a secure user session*

can be established between an internet server and a browser at an unsecured client. ...

"; col. 2, lines 15-17: " ... *To avoid distracting the user, the token is carried in a field of*

the page that is normally not displayed in the presentation space.   ... ")

Regarding Claims 8, 20, 30, Williams discloses the method, system, computer

program product claimed in claims 7, 19, 29. (see Williams paragraph [0050], lines 1-5:

time parameter usage and processing)   Williams does not specifically disclose a time

out processing capability.   However Bachman discloses wherein includes a step of

closing said session if said session has timed out. (see Bachman col. 1, lines 65-67:

session management; col. 4, lines 11-17; col. 6, lines 10-19: process time out condition,

session erased, closed)

It would have been obvious to one of ordinary skill in the art to modify Williams as

taught by Bachman to enable the capability to process a time period expiration

condition.   One of ordinary skill in the art would have been motivated to employ the

teachings of Bachman in order to enable the capability to create a secure

communications session between server and client systems and avoid distracting the

client with the placement of token information within the page. (see Bachman col. 1,

lines 65-67; col. 2, lines 15-17)

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Carlton Johnson whose telephone number is 571-270-

1032. The examiner can normally be reached Monday through Friday from 8:00AM to

5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nassar Moazzami, can be reached on 571-272-4195. The fax phone

number for the organization where this application or proceeding is assigned is 571-
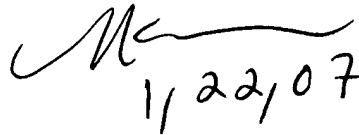
273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Carlton Johnson
January 19, 2007

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